

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2011 Levee Inspection Results

Reclamation District No. 0404 Boggs

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2011 Levee Inspection Results

Reclamation District No. 0404 Boggs

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Right	2.36
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/14/2011 - 4/14/2011			
DWR Inspector	Richard Willoughby			
Accompanied By	Tom Rosten RD 404			

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0404 Boggs

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 San Joaquin River						Right	2.36	04/14/2011 04/14/2011	Richard Willoughby	
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	2.36	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	37.942105 ° -121.345183 °	° °	13
2	0.00	2.36	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	37.942103 ° -121.345182 °	° °	14 Y
3	0.03	0.48	Earthen Levee	Vegetation	LS	W	Remove the wild growth other than native grasses from the levee slopes.	37.941695 ° -121.344917 °	37.939652 ° -121.338373 °	5 Y
4	0.03	0.20	Earthen Levee	Vegetation	WS	W	Remove the wild growth other than native grasses from the levee slopes.	37.941697 ° -121.344917 °	37.939853 ° -121.343210 °	8 Y
5	0.21	0.25	Supplemental	DWR Erosion Survey	WS	U	Inspector Comments: 9/07/2010: No significant change observed on site. There is emergent vegetation at the water line. Several pocket erosions lined along the lower slope that stretches from RM 40.86 to RM 41.14. [2010 SiteID: RD0404U01RM40.86]	37.939480 ° -121.342730 °	37.939480 ° -121.342730 °	1 Y
6	0.24	0.27	Earthen Levee	Erosion / Bank Caving	WS	M	Note and monitor erosion site.	37.939430 ° -121.342620 °	37.939430 ° -121.342620 °	6 Y
7	0.75	0.75	Earthen Levee	Vegetation	LS	M	Elderberries are blocking visibility and flood fight capability.	37.937758 ° -121.334149 °	37.937758 ° -121.334149 °	7 Y
8	0.96	0.96	Earthen Levee	Vegetation	LS	M	Elderberries are blocking visibility and flood fight capability.	37.935990 ° -121.331600 °	37.935990 ° -121.331600 °	2
9	1.56	1.56	Earthen Levee	Repair Gates	CR	C	Inspector Comments: Not able to access levee due to no key to lock. Not able inspected for LM 0.80 to 1.55	37.929048 ° -121.327253 °	37.929048 ° -121.327253 °	10
10	1.57	1.67	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.928723 ° -121.327207 °	37.927945 ° -121.325933 °	9
11	1.63	1.63	Earthen Levee	Slope Stability	WS	M	Repair slope instability.	37.928208 ° -121.326608 °	37.928208 ° -121.326608 °	12 Y
12	1.64	1.65	Earthen Levee	Slope Stability	LS	M	Repair the levee slope damaged by vehicle traffic and prevent access where possible.	37.928118 ° -121.326338 °	37.927970 ° -121.326007 °	11 Y

*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	04/14/2011 04/14/2011	Richard Willoughby

Levee Mile Report Line	2
Start Levee Mile	0.00
End Levee Mile	2.36
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Looking upstream at typical view of levee.

richard_s_20110602_560.jpg



Levee Mile Report Line	3
Start Levee Mile	0.03
End Levee Mile	0.48
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Looking north at modest vegetation on landside and waterside slopes.

richard_s_20110215_113.jpg



Levee Mile Report Line	4
Start Levee Mile	0.03
End Levee Mile	0.20
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Looking south modest vegetation on waterside slope.

richard_s_20110215_117.jpg



*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated

C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	04/14/2011 04/14/2011	Richard Willoughby

Levee Mile Report Line	5
Start Levee Mile	0.21
End Levee Mile	0.25
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Upstream view of Site 1 at RM 41.14.

richard_s_20110215_109.jpg



Levee Mile Report Line	5
Start Levee Mile	0.21
End Levee Mile	0.25
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of Site 1 at RM 40.98.

richard_s_20110215_110.jpg



Levee Mile Report Line	5
Start Levee Mile	0.21
End Levee Mile	0.25
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of site 2 at RM 40.93.

richard_s_20110215_111.jpg



*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated

C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	04/14/2011 04/14/2011	Richard Willoughby

Levee Mile Report Line	5
Start Levee Mile	0.21
End Levee Mile	0.25
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of site at RM40.86.

richard_s_20110215_112.jpg



Levee Mile Report Line	6
Start Levee Mile	0.24
End Levee Mile	0.27
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Erosion from LM 0.24 to 0.27

richard_s_20110215_114.jpg



Levee Mile Report Line	6
Start Levee Mile	0.24
End Levee Mile	0.27
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Erosion at LM 0.27

richard_s_20110215_115.jpg



*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated

C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	04/14/2011 04/14/2011	Richard Willoughby

Levee Mile Report Line	7
Start Levee Mile	0.75
End Levee Mile	0.75
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Looking southeast at elderberry on landside slope.

richard_s_20110215_116.jpg



Levee Mile Report Line	11
Start Levee Mile	1.63
End Levee Mile	1.63
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

Looking southwest at minor slope sliding on waterside slope.

richard_s_20110215_121.jpg



Levee Mile Report Line	11
Start Levee Mile	1.63
End Levee Mile	1.63
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

Looking southeast at minor slope sliding on waterside slope.

richard_s_20110215_122.jpg



*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated

C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	04/14/2011 04/14/2011	Richard Willoughby

Levee Mile Report Line	12
Start Levee Mile	1.64
End Levee Mile	1.65
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

Looking northeast at minor slope damage on landside slope cause by vehicle traffic.

richard_s_20110215_118.jpg



Levee Mile Report Line	12
Start Levee Mile	1.64
End Levee Mile	1.65
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

Looking northeast at slope damage on landside slope cause by vehicle traffic.

richard_s_20110215_119.jpg



Levee Mile Report Line	12
Start Levee Mile	1.64
End Levee Mile	1.65
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

Looking east at slope damage on landside slope.

richard_s_20110215_120.jpg



*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2011 Levee Inspection Results

Reclamation District No. 0404 Boggs

Waterway			Bank	Unit Miles
Unit No. 02 French Camp Slough			Right	1.76

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/14/2011 - 4/14/2011			
DWR Inspector	Richard Willoughby			
Accompanied By	Tom Rosten RD 404			

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0404 Boggs

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 02 French Camp Slough						Right	1.76	04/14/2011 04/14/2011	Richard Willoughby	
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	1.76	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	°	°	9
2	0.00	1.76	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	°	°	10
3	0.01	0.05	Earthen Levee	Encroachments	LS	M	Material Inspector Comments: Concrete rubble left on landside shoulder from waterside erosion repair.	37.920222 ° -121.318138 °	37.919888 ° -121.317558 °	2 Y
4	0.19	0.35	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.919543 ° -121.311432 °	37.918935 ° -121.313335 °	3
5	0.48	0.48	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.919525 ° -121.311193 °	37.919525 ° -121.311193 °	8
6	0.74	0.74	Earthen Levee	Encroachments	LS	M	Tree or limb	37.919205 ° -121.306495 °	37.919205 ° -121.306495 °	5
7	0.82	0.91	Earthen Levee	Vegetation	LS	W	Remove the wild growth other than native grasses from the levee slopes.	37.918320 ° -121.305740 °	37.917162 ° -121.305285 °	4
8	1.13	1.18	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	37.916347 ° -121.301887 °	37.916497 ° -121.301095 °	11
9	1.19	1.19	Earthen Levee	Encroachments	LS	M	Tree or limb	37.916523 ° -121.300988 °	37.916523 ° -121.300988 °	7
10	1.32	1.58	Supplemental	DWR Erosion Survey	WS	U	Inspector Comments: 11/30/2010: Site was not inspected this year due to time constraints. There has been no reports from the district that the site was corrected. Continue to monitor during flood events. 08/05/2010: Recommended for annual assessment and monitoring during flood events, per CLRO. [2010 SiteID: RD0404U02RM1.56]	37.918440 ° -121.297040 °	37.918440 ° -121.297040 °	1 Y
11	1.47	1.52	Earthen Levee	Encroachments	LS	PO	Fences	37.918440 ° -121.296707 °	37.918517 ° -121.295763 °	6 Y

*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	04/14/2011 04/14/2011	Richard Willoughby

Levee Mile Report Line	2
Start Levee Mile	0.00
End Levee Mile	1.76
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Looking upstream at typical view of levee.

richard_s_20110602_561.jpg



Levee Mile Report Line	3
Start Levee Mile	0.01
End Levee Mile	0.05
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking south at concrete rubble with rebar on landside slope.

richard_s_20110215_127.jpg



Levee Mile Report Line	10
Start Levee Mile	1.32
End Levee Mile	1.58
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Photo taken in 2007.

richard_s_20110215_123.jpg



*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	04/14/2011 04/14/2011	Richard Willoughby

Levee Mile Report Line	10
Start Levee Mile	1.32
End Levee Mile	1.58
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Photo taken in 2007.

richard_s_20110215_124.jpg



Levee Mile Report Line	10
Start Levee Mile	1.32
End Levee Mile	1.58
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Photo taken in 2007.

richard_s_20110215_125.jpg



Levee Mile Report Line	10
Start Levee Mile	1.32
End Levee Mile	1.58
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Photo taken in 2007.

richard_s_20110215_126.jpg



*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	04/14/2011 04/14/2011	Richard Willoughby

Levee Mile Report Line	11
Start Levee Mile	1.47
End Levee Mile	1.52
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Fence at landside shoulder from LM 1.47 to 1.52

richard_s_20110215_128.jpg



*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
M : Minimally Acceptable CO : Completely Obstructing W : Watch/Monitor
U : Unacceptable N : Not Inspected/Rated